

2-3-83

Dear Bob,

Apparently, you were never able to get the programs I sent you off the tape since there never been in the ~~Canadian~~. So, here's my last try. I had to get a Radio Shack CTR-60 to use the tape Artillery Duel from Perkins ~~&~~ Engineering when I bought the 32K model. So, with this recorder & a computer tape, you may be able to get these programs.

Side A      Crayon Dice } Games I sent  
                Trap Shot } before

G.C.F. + LCM - Greatest Common Factor + Least common multiple  
~~multiple~~, EDUCATION for grades  
7-9

1/5 #3

+ - x ÷ POS. & NEG NUMBERS - EDUCATION for  
grades 8 - Alg I

P.T.O. X-MASS - Graphics & Music shown at our  
Christmas P.T.O. Program

Side B      MILE/YD/FT./IN ETC. - EDUCATION for grades  
6 to 9 (BLUE RAM 1.1)

Joe Peoples

310 SAILFISH LANE  
NEW PHILADELPHIA, OHIO  
44663

PHONE 1-216-339-5093

MATH  
flop

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1 .146 641 641 641000000
2 .H00H0HH00N0LL0HH000
3 GOSUB 4;GOSUB 6;GOSUB 5;GOSUB 8;GOSUB 7;GOSUB 5;GOSUB 8;GOTO 50
4 BC=RND (32)b8-1;FC=RND (32)b8;RETURN
5 NT=T;FOR Z=NT0 N+1;MU=%(Z);NEXT Z;NT=1;RETURN
6 T=5;N=-24573;M=21;RETURN
7 T=20;N=-24549;M=19;RETURN
8 FOR Z=0TO 999;NEXT Z;RETURN
9 PRINT " ";RETURN
10 CX=-30;PRINT "FANTASTIC!";GOSUB 14;GOSUB 22;GOSUB 6;GOSUB 16;GOSUB 30;RETURN

12 PRINT " NO! BUT KEEP TRYING!";GOSUB 14;GOSUB 28;GOSUB 7;GOSUB 16;GOSUB 32;RE
TURN
14 GOSUB 20;GOSUB 24;RETURN
16 GOSUB 5;GOSUB 8;GOSUB 9;GOSUB 4;RETURN
20 E=0;FOR H=-68TO 68STEP 5;E=E+Hc20;BOX H,E,20,2,1;BOX -H,-E,20,2,1;NEXT H;RETU
RN
22 FOR Z=1TO 5;LINE -47,-3,4;LINE -3,-15+Z,1;LINE 47,-3,1;NEXT Z;RETURN
24 FOR X=-20TO 20STEP 40;BOX X,7,1,7,1;BOX X,7,7,1,1;NEXT X;BOX -2,1,1,1,1;BOX 2
,1,1,1,1;RETURN
28 FOR Z=1TO 5;LINE -31,-13,4;LINE 0,-2-Z,1;LINE 31,-15,1;NEXT Z;RETURN
30 FOR Z=-20TO 20;BOX 0,Z,168,1,2;NEXT Z;RETURN
32 FOR Z=0TO 80;BOX Z,0,1,40,2;BOX -Z,0,1,40,2;NEXT Z;RETURN
34 IF S=1A=RND (21)-11;B=RND (21)-11
36 IF S=2A=RND (199)-100;B=RND (199)-100
38 IF S=3A=RND (1999)-1000;B=RND (1999)-1000
40 RETURN
41 U=1;RETURN
42 U=2;RETURN
43 U=3;RETURN
44 U=4;RETURN
49 CX=-35;RETURN
50 CLEAR :GOSUB 49;PRINT "1=ADD";PRINT ;GOSUB 49;PRINT "2=SUBTRACT";PRINT ;GOSUB
49;PRINT "3=MULTIPLY";PRINT
52 GOSUB 49;PRINT "4=DIVIDE";PRINT ;GOSUB 49;PRINT "5=RANDOM";CY=-40;INPUT " Y
OUR CHOICE";R;IF (R<1)+(R>5)GOTO 50
54 CLEAR ;PRINT ;GOSUB 49;PRINT "DIFICULITY";PRINT ;GOSUB 49;PRINT "1=ONE DIGIT"
;PRINT ;GOSUB 49;PRINT "2=TWO DIGIT"
56 PRINT ;GOSUB 49;PRINT "3=THREE DIGIT";CY=-40;INPUT " YOUR CHOICE";S;IF (S<1)
+(S>3)GOTO 54
58 CLEAR :FOR P=1TO 20;GOSUB 34;IF R=5GOSUB 40+RND (4)
62 IF R=4U=4
64 IF R=3U=3
66 IF R=2U=2
68 IF R=1U=1
70 IF U=1CY=35;PRINT #10,A," + ",#0,B," = ";C=A+B
72 IF U=2CY=35;PRINT #10,A," - ",#0,B," = ";C=A-B
73 IF U=3CY=35;PRINT #10,A," * ",#0,B," = ";C=A*B
74 IF U=4CY=35;GOSUB 79;PRINT #10,A," / ",#0,B," = "
76 CY=-40;INPUT " YOUR ANSWER="Z;GOSUB 9;IF Z=CGOSUB 10;CY=35;GOSUB 9;NEXT P;GO
TO 50
78 CY=-40;GOSUB 12;PRINT " THE ANSWER WAS ",#0,C;CY=35;GOSUB 9;CY=-40;GOSUB 8;G
OSUB 9;NEXT P;GOTO 50
79 C=RND (199)-100;B=RND (40)-20;A=CbB;IF B=0GOTO 79
80 RETURN
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N9F500031356000031357b17b17b1b2b150000
2 GOSUB 38;CLEAR ;GOTO 70
3 BOX X,Y,11,11,1;BOX X,Y,9,9,2;RETURN
4 BOX X,Y,1,1,1;RETURN
5 BOX X+2,Y+2,1,1,1;BOX X-2,Y-2,1,1,1;RETURN
6 GOSUB 4;GOSUB 5;RETURN
7 GOSUB 5;BOX X-2,Y+2,1,1,1;BOX X+2,Y-2,1,1,1;RETURN
8 GOSUB 7;GOSUB 4;RETURN
9 GOSUB 7;BOX X,Y+2,1,1,1;BOX X,Y-2,1,1,1;RETURN
10 X=-43;Y=35;FOR N=1TO 6;A=RND (6)+3;@(N)=A;IF @(N+6)=X+17;NEXT N;RETURN
11 GOSUB 3;GOSUB A;X=X+17;NEXT N;RETURN
12 B=RND (6);FOR M=1TO B;GOSUB 10;NEXT M;RETURN
13 IF R>-50IF R<-35X=-43;GOSUB 20;GOSUB @1;@(7)=1;U=1;GOSUB 21
14 IF R>-35IF R<-16X=-25;GOSUB 20;GOSUB @2;@(8)=1;U=2;GOSUB 21
15 IF R>-16IF R<0X=-8;GOSUB 20;GOSUB @3;@(9)=1;U=3;GOSUB 21
16 IF R>0IF R<17X=9;GOSUB 20;GOSUB @4;@(10)=1;U=4;GOSUB 21
17 IF R>17IF R<33X=26;GOSUB 20;GOSUB @5;@(11)=1;U=5;GOSUB 21
18 IF R>33IF R<49X=43;GOSUB 20;GOSUB @6;@(12)=1;U=6;GOSUB 21
19 RETURN
20 Y=35;BOX X,Y,12,12,2;Y=15;GOSUB 3;RETURN
21 IF @(U)=8V=50
22 IF @(U)=4V=100
23 GOSUB 24;U=0;RETURN
24 GOSUB 25;CX=43;S=S+U;PRINT #0,S;RETURN
25 CY=-(P-1)*8-5;CX=-4;RETURN
26 Z=200;IF P=1FC=137;G=G+S;GOSUB 25;PRINT #4,G;;IF G>DGOTO Z
27 IF P=2FC=240;H=H+S;GOSUB 25;PRINT #4,H;;IF H>DGOTO Z
28 IF P=3FC=89;I=I+S;GOSUB 25;PRINT #4,I;;IF I>DGOTO Z
29 IF P=4FC=107;J=J+S;GOSUB 25;PRINT #4,J;;IF J>DGOTO Z
30 PRINT "_UP";RETURN
31 FOR Z=7TO 12;@(Z)=0;NEXT Z;RETURN
32 CY=-37;RETURN
33 GOSUB 32;PRINT " TO ROLL DICE PUSH JY UP↑";RETURN
34 GOSUB 32;PRINT " USE TRIGGER TO SAVE DICE";RETURN
35 GOSUB 32;PRINT " YOUR OPT. TO ROLL AGAIN";RETURN
36 NT=13;FOR Z=-24573TO -24538;MU=%(Z);NEXT Z;NT=0;RETURN
39 BOX R,Q,20,B,2;BOX R,Q,1,6,1;LINE R-3,Q,4;LINE R,Q+3,1;LINE R+3,Q,1
40 IF R>49BOX R,Q,15,B,2;R=-49
41 RETURN
44 BOX 0,26,120,35,2;RETURN
45 GOSUB 32;INPUT "INPUT1-6 TO SCORE 3 DIE*K;IF K=1V=700
46 IF K=2V=200
47 IF K=3V=300
48 IF K=4V=400
49 IF K=5V=350
50 IF K=6V=600
51 GOSUB 24;U=0;GOSUB 32;PRINT " NOW MOVE THE DICE DOWN ";RETURN
52 P=P+1;GOSUB 44;T=0;C=0;S=0;BOX 44,-17,55,32,2;GOSUB 31;GOSUB 33;IF P>L P=1
53 RETURN
70 P=1;C=0;G=0;H=0;I=0;J=0;S=0;GOSUB 31;D=4999;T=0;Q=25;BC=5
80 CY=0;INPUT "***NUMBER*OF*PLAYERS?*L;IF L>4L=4
90 CLEAR ;CY=-5;FOR N=1TO L;PRINT "PLAYER #",#0,N,":";NEXT N
100 CY=5;CX=-5;PRINT "TOTAL PRESENT":GOSUB 26;GOSUB 33
110 IF JY(P)=1BOX 0,31,120,19,2;GOSUB 12;C=1;GOSUB 34
120 IF JX(P)=1GOSUB 52;GOSUB 26
125 IF TR(P)=T+1;GOSUB 13;IF T=6T=0;GOSUB 44;GOSUB 37;GOSUB 31;C=0;GOSUB 38
130 IF JY(P)=-1BOX R,Q,9,8,2;GOSUB 45
140 IF JX(P)=-1GOSUB 26;GOSUB 52;GOSUB 26
150 R=R+4;GOSUB 40;IF CGOSUB 39
160 GOTO 110
200 GOSUB 44;CY=35;PRINT " GAME OVER PLAYER #",#0,P," WINS";GOSUB 38
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Crarie  
 Dice  
 Peoples

## CRAZIE DICE

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1.350003135600031357*17X17X1*2*150000
2CLEAR ;GOSUB 38;GOTO 70
3BOX X,Y,11,11,1;BOX X,Y,9,9,2;RETURN
4BOX X,Y,1,1,1;RETURN
5BOX X+2,Y+2,1,1,1;BOX X-2,Y-2,1,1,1;RETURN
6GOSUB 4;GOSUB 5;RETURN
7GOSUB 5;BOX X-2,Y+2,1,1,1;BOX X+2,Y-2,1,1,1;RETURN
8GOSUB 7;GOSUB 4;RETURN
9GOSUB 7;BOX X,Y+2,1,1,1;BOX X,Y-2,1,1,1;RETURN
10IF X=-43;Y=35;FOR N=1TO 6;A=RND (6)+3;@N)=A;IF @N+6)X=X+17;
NEXT N;RETURN
11GOSUB 3;GOSUB A;X=X+17;NEXT N;RETURN
12B=RND (6);FOR M=1TO B;GOSUB 10;NEXT M;RETURN
13IF R>-50IF R<-35X=-43;GOSUB 20;GOSUB @1;@7)=1;U=1;GOSUB 21
14IF R>-35IF R<-16X=-25;GOSUB 20;GOSUB @2;@8)=1;U=2;GOSUB 21
15IF R>-16IF R<@X=-8;GOSUB 20;GOSUB @3;@9)=1;U=3;GOSUB 21
16IF R>0IF R<17X=9;GOSUB 20;GOSUB @4;@10)=1;U=4;GOSUB 21
17IF R>17IF R<33X=26;GOSUB 20;GOSUB @5;@11)=1;U=5;GOSUB 21
18IF R>33IF R<49X=43;GOSUB 20;GOSUB @6;@12)=1;U=6;GOSUB 21
19;RETURN
20Y=35;BOX X,Y,12,12,2;Y=15;GOSUB 3;RETURN
21IF @U)=8V=50
22IF @U)=4V=100
23GOSUB 24;V=@
24GOSUB 25;CX=43;S=S+V;PRINT #0,S;RETURN
25CY=-(P-1)*8-5;CX=-4;RETURN
26Z=200;IF P=1FC=137;G=G+S;GOSUB 25;PRINT #4,G;;IF G>DGOTO Z
27IF P=2FC=240;H=H+S;GOSUB 25;PRINT #4,H;;IF H>DGOTO Z
28IF P=3FC=89;I=I+S;GOSUB 25;PRINT #4,I;;IF I>DGOTO Z
29IF P=4FC=107;J=J+S;GOSUB 25;PRINT #4,J;;IF J>DGOTO Z
30PRINT "<UP";RETURN
31FOR Z=7TO 12;@Z)=0;NEXT Z;RETURN
32CY=-37;RETURN
33GOSUB 32;PRINT "TO ROLL DICE PUSH JY UP";RETURN
34GOSUB 32;PRINT "USE TRIGGER TO SAVE DICE";RETURN
37GOSUB 32;PRINT "YOUR OPT. TO ROLL AGAIN";RETURN
38NT=13;FOR Z=-24573TO -24538;MU=@(Z);NEXT Z;NT=0;RETURN
39BOX R,Q,20,8,2;BOX R,Q,1,0,1;LINE R-3,Q,4;LINE R,Q+3,1;LINE
R+3,Q,1
40IF R>49BOX R,Q,15,8,2;R=-49
41RETURN
44BOX 0,26,120,35,2;RETURN
45GOSUB 32;INPUT "INPUT1-6 TO SCORE#3*DIE"K;IF K=1V=700
46IF K=2V=200
47IF K=3V=300
48IF K=4V=400
49IF K=5V=350
50IF K=6V=600

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51GOSUB 24;V=0;GOSUB 32;PRINT "NOW MOVE THE DICE DOWN";RETURN  
52P=P+1;GOSUB 44;T=0;C=0;S=0;BOX 44,-17,55,2;GOSUB 31;GOSUB  
33;IF P>L■P=1  
52RETURN  
70P=1;C=0;G=0;H=0;I=0;J=0;S=0;GOSUB 31;D=4999;T=0;Q=25;BC=5  
80CY=0;INPUT "***NUMBER OF PLAYERS?" L;IF L>4L=4  
90CLEAR ;CY=-5;FOR N=1 TO L;PRINT "PLAYER #",#0,N,":";NEXT N  
100CY=5;CX=-5;PRINT "TOTAL PRESENT";GOSUB 26;GOSUB 33  
110IF JY(P)=1 BOX 0,31,120,19,2;GOSUB 12;C=1;GOSUB 34  
120IF JK(P)=1GOSUB 52;GOSUB 26  
125IF TR(P)=T+1;GOSUB 13;IF T=6T=0;GOSUB 44;GOSUB 37;GOSUB 31;  
C=0;GOSUB 38  
130IF JY(P)=-1 BOX R,Q,9,8,2;GOSUB 45  
140IF JK(P)=-1GOSUB 26;GOSUB 52;GOSUB 26  
150R=R+4;GOSUB 40;IF CGOSUB 39  
160GOTO 110  
200GOSUB 44;CY=35;PRINT "# GAME OVER PLAYER #",#0,P," WINS";  
GOSUB 38
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SZ=35 NEED 24 BYTES FOR @ STRING

■=A SPACE

Φ=ZERO